IN THE CLAIMS

Claims 1-12   (Canceled)

13.   (New)   A computer system which has plural client computers, plural various servers, plural various storages which keep data, a local area network (LAN) which connects said computers and said servers, and a storage area network (SAN) which lies between said servers and said storages;

wherein said SAN forms a switched circuit network which is arranged to connect any of said servers with any of said storages through fiber channel switches (FC switches),

said computer system further comprising a terminal having operation and management software which performs storage management including management of logical volumes in said plural storages, data arrangement and error monitoring, management of setting up said FC switches, and a backup operation for data in said storages, and

wherein when data in a primary volume in a first one of said storages is backed up to a backup device in a non-disruptive manner under control of said operation and management software, a secondary volume corresponding to said primary volume is created in a second one of said storages different from said first storage by an internal function, a copy is made from said primary volume to said secondary

volume, and said copy is transferred to said backup device via said SAN without passing on said LAN.

14.   (New)   A computer system which has plural client computers, plural various servers, plural various storages which keep data, a local area network (LAN) which connects said computers and said servers, and a storage area network (SAN) which lies between said servers and said storages;

wherein said SAN forms a switched circuit network which is arranged to connect connecting any of said servers with any of said storages through fiber channel switches (FC switches), and

wherein when data in one of said storages is backed up to a backup device in a non-disruptive manner, said storage has a function of receiving an instruction of a volume split from one of said servers via said SAN, a function of assuming that data in a primary volume were kept in a secondary volume at the time of said instruction, and a function of backing up said data from said secondary volume to a backup device via said SAN.